PTO-1390 (Rev. 07-2005)
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| TRANSMITTAL LETTER TO THE UNITED STATES    |
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| DESIGNATED/ELECTED OFFICE (DO/EO/US)       |
| ONCERNING A SUBMISSION UNDER 35 U.S.C. 371 |

FSU 70008.3 (04-107)

ATTORNEY'S DOCKET NUMBER

| S CON       | CERNING A SUBMISSION  | ON UNDER 35 U.S.C. 371                          | U.S. APPLICATION NO. of known set 37 CFR 1.5)    |  |  |  |  |  |  |
|-------------|---|---|--|--|--|--|--|--|--|
|             | FIONAL APPLICATION NO.<br>005/010282  | INTERNATIONAL FILING DATE 28 March 2005         | PRIORITY DATE CLAIMED<br>26 March 2004           |  |  |  |  |  |  |
| TITLE OF    | E OF INVENTION ROPHOBIC FLUORINATED POLYELECTROLYTE COMPLEX FILMS AND ASSOCIATED METHODS  |   |  |  |  |  |  |  |  |
| PPLICAN     | PLICANT(S) FOR DO/EO/US   |   |  |  |  |  |  |  |  |
|             | OFF, Joseph B.<br>herewith submits to the United St   | ates Designated/Elected Office (DO/EC           | O/US) the following items and other information: |  |  |  |  |  |  |
|             | This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.  |   |  |  |  |  |  |  |  |
| 2. 🗆 1      | This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.   |   |  |  |  |  |  |  |  |
|             | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. |   |  |  |  |  |  |  |  |
| 4. 🔽 1      | The US has been elected (Article 31).   |   |  |  |  |  |  |  |  |
| 5. 🗸        | A copy of the International Application as filed (35 U.S.C. 371(c)(2))  |   |  |  |  |  |  |  |  |
|             | a. is attached hereto (required only if not communicated by the International Bureau).  |   |  |  |  |  |  |  |  |
|             | b. has been communicated by the International Bureau.   |   |  |  |  |  |  |  |  |
|             | c. s is not required, as the application was filed in the United States Receiving Office (RO/US).   |   |  |  |  |  |  |  |  |
| 6.          | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  |   |  |  |  |  |  |  |  |
|             | a. is attached hereto.  |   |  |  |  |  |  |  |  |
|             | b.  has been previously submi   | itted under 35 U.S.C. 154(d)(4).                |  |  |  |  |  |  |  |
| 7. <b>V</b> | Amendments to the claims of the Inte  | ernational Application under PCT Article 19     | (35 U.S.C. 371(c)(3))                            |  |  |  |  |  |  |
|             | a. are attached hereto (requ  | ired only if not communicated by the Interna    | tional Bureau).                                  |  |  |  |  |  |  |
|             | b. have been communicated   | by the International Bureau.                    |  |  |  |  |  |  |  |
|             | c. have not been made; how  | ever, the time limit for making such amendr     | nents has NOT expired.                           |  |  |  |  |  |  |
|             | d. have not been made and   | will not be made.                               |  |  |  |  |  |  |  |
| 8. 🔲        | An English language translation of the  | he amendments to the claims under PCT Ar        | ticle 19 (35 U.S.C. 371(c)(3)).                  |  |  |  |  |  |  |
| 9.          | An oath or declaration of the invento   | r(s) (35 U.S.C. 371(c)(4)).                     |  |  |  |  |  |  |  |
| 10.         | An English language translation of th<br>Article 36 (35 U.S.C. 371(c)(5)).  | ne annexes of the International Preliminary E   | xamination Report under PCT                      |  |  |  |  |  |  |
| Items       | 11 to 20 below concern document(s   | s) or information included:                     |  |  |  |  |  |  |  |
| 11. 🔲       | An Information Disclosure Statement   | t under 37 CFR 1.97 and 1.98.                   |  |  |  |  |  |  |  |
| 12.         | An assignment document for recordi  | ng. A separate cover sheet in compliance w      | ith 37 CFR 3.28 and 3.31 is included.            |  |  |  |  |  |  |
| 13. 🔲       | A preliminary amendment.  |   |  |  |  |  |  |  |  |
| 14.         | An Application Data Sheet under 37  | CFR 1.76.                                       |  |  |  |  |  |  |  |
| 15.         | A substitute specification.   |   |  |  |  |  |  |  |  |
| 16. 🔲       | A power of attorney and/or change of  | of address letter.                              |  |  |  |  |  |  |  |
| 17.         | A computer-readable form of the sec   | quence listing in accordance with PCT Rule      | 13 <i>ter.</i> 2 and 37 CFR 1.821- 1.825.        |  |  |  |  |  |  |
| 18.         | A second copy of the published Inter  | rnational Application under 35 U.S.C. 154(d)    | (4). ,   |  |  |  |  |  |  |
| 19.         | A second copy of the English langua   | ge translation of the international application | n under 35 U.S.C. 154(d)(4).                     |  |  |  |  |  |  |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Page 1 of 3 Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## IAP16 Rec'd PCT/PTO 25 SEP 2006

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| U.S. APPLICATION NO. (if known, \$37 CFR 1.5)  |   | INTERNATIONAL APPLICATION NO.                   |                                | ATTORNEY'S DOCKET NUMBER |                        |              |  |  |
|--|---|---|--------------------------------|--------------------------|------------------------|--------------|--|--|
| 90/594103  |   | PCT/US2005/010282                               |                                | FSU 70008.3 (04-107)     |                        |              |  |  |
| 20. Other items or information:  |   |   |                                |                          |                        |              |  |  |
|  |   |   |                                |                          |                        |              |  |  |
|  |   |   |                                |                          |                        |              |  |  |
|  |   |   |                                |                          |                        |              |  |  |
|  | wing fees have b                        |   |                                | 6200                     | \$ 300.00              | PTO USE ONLY |  |  |
| 21. [/] Basic  | 21.                                     |   |                                |                          |                        |              |  |  |
| 22. 📝 Exam   | ination fee (37 CF                      | R 1.492(c))                                     |                                |                          | . 000 00               |              |  |  |
| If the written opinion prepared by ISAUS or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 |   |   |                                |                          | \$ 200.00              |              |  |  |
|  |   |   |                                |                          |                        |              |  |  |
| 23. 🗸 Seard  | ch fee (37 CFR 1.                       |   |                                | \                        |                        |              |  |  |
| If the written opini   | on of the ISA/US<br>indicates all claim |   |                                |                          |                        |              |  |  |
| Search fee (37 CF  | FR 1.445(a)(2)) ha                      | the USPTO as an                                 | \$ 100.00                      |                          |                        |              |  |  |
| International Sear   | ch Report prepare                       | ed by an ISA other                              | r than the US and provided to  | the Office or            |                        |              |  |  |
|  |   |   |                                |                          |                        |              |  |  |
| TOTAL OF 21, 22 and 23 =   |   |   |                                |                          | 600.00                 |              |  |  |
| Additional fee   | for specification                       | and drawings filed                              | in paper over 100 sheets (e)   | cluding                  |                        |              |  |  |
| sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).   |   |   |                                |                          |                        |              |  |  |
| The fee is   | \$250 for each ad                       | ditional 50 sheets                              | of paper or fraction thereof.  | T'                       |                        | ·            |  |  |
|  |   | additional 50 or fraction up to a whole number) | RATE                           |                          |                        |              |  |  |
|  | (50                                     | thereof fround a                                | p to a uniote numbery          | easa                     | \$                     |              |  |  |
| - 100 =  | /50 = 1                                 | any of the coarch                               | n fee, examination fee, or the | x \$250                  |                        |              |  |  |
|  |   |   | e (37 CFR 1.492(h)).           | oan or documenton        | \$                     |              |  |  |
| CLAIMS NUMBER FILED  |   | NUMBER EXTRA                                    | RATE                           | \$·                      |                        |              |  |  |
| Total claims   |   | - 20 =  | 18                             | x \$ 50                  | \$ 900.00              |              |  |  |
| Independent clain  | ns 5                                    | - 3 =   | 2                              | x \$200                  | \$ 400.00              |              |  |  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360  |   |   |                                |                          | \$                     |              |  |  |
| TOTAL OF ABOVE CALCULATIONS =  |   |   |                                |                          | \$ 1900.00             |              |  |  |
| Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |   |   |                                |                          |                        |              |  |  |
| SUBTOTAL =   |   |   |                                |                          | \$ 950.00              |              |  |  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).                                    |   |   |                                | \$                       |                        |              |  |  |
| TOTAL NATIONAL FEE =   |   |   |                                |                          | \$ 950.00              |              |  |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property               |   |   |                                | \$                       |                        |              |  |  |
| TOTAL FEES ENCLOSED =  |   |   |                                |                          | \$ 950.00              | ·            |  |  |
|  |   |   |                                |                          | Amount to be refunded: | \$           |  |  |
|  |   |   |                                |                          | Amount to be charged   | \$           |  |  |

AP16 Rec'd PCT/PTO 2.5 SEP 2006
10/594185
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| a. A check in the amount of \$ 950.00 to cover the above fees is enclosed.   |  |  |  |  |  |  |
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| b. Please charge my Deposit Account No. 19-1345 in the amount of \$ to cover the above fees.  A duplicate copy of this sheet is enclosed.  |  |  |  |  |  |  |
| c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-1345. A duplicate copy of this sheet is enclosed.                          |  |  |  |  |  |  |
| d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |  |  |  |  |  |  |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.               |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| SEND ALL CORRESPONDENCE TO:  |  |  |  |  |  |  |
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